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6 Nov 8 1957

Chief, Supplemental Programs Division, OC

JAN 31
1958

Chief, Engineering Division, OC

Inflatable Parabolic Antennas

REF : SPM 7-247 dated 25 November 1957

1. In response to the referenced memorandum, preliminary discussions of an exploratory nature were held with representatives of the [redacted] Baltimore, Maryland, concerning inflatable parabolic antennas. Initial information of a general nature has been supplied which serves as a guide towards determining more detailed requirements to be furnished at a later date.

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2. Prices quoted on inflatable parabolic antennas in this memorandum should be regarded only as rough estimates figured on the high side and intended to serve as a guide for future budgetary planning. More accurate costs can be determined when the necessary detailed engineering information is supplied.

3. [redacted] has furnished cost information based on the following general engineering considerations:

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1. Frequency range from 800 to 10,000 mc.
2. Maximum dimensions: 7' high, 9' wide and 9' long.
3. 50 ohm feeds unbalanced.
4. The required feed horns covering the frequency range from 800 to 10,000 mc (3 feeds).
5. Allowable VSWR 3 to 1.
6. Necessary blower equipment.

The estimated prices and delivery schedules supplied for the above systems would be as follows:

[redacted]

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QUANTITY	PRICE	ESTIMATED DELIVERY SCHEDULE WITH AVAILABLE FUNDS	ESTIMATED DELIVERY WITH R+D FUNDS
1	\$ 80,000	6 months	9 months
5	110,000	8 months	10 months
25	220,000	10 months	12 months

4. The local [] representative has advised that an engineer cognizant of inflatable parabolic assemblies from their Antenna Division will be in Washington on or about 6 February 1958, and be available for discussions. It is requested, if you have further interest in inflatable antennas, that complete information be supplied this Division before the above date on the quantity needed and detailed electrical and mechanical characteristics required to satisfy field conditions. Similar information will then be supplied to the [] for the purpose of obtaining comparative price quotations with []

OC-E/R+D-EP:LHG:nmb (28 Jan. 58)
cc: R+D Subject File
OC-E Chrono
R+D Chrono
EP Chrono

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